

What is claimed is:

1. An electric internal gear pump integrated with motor comprising:

a rotor portion including an outer rotor having an inner gear, and an inner rotor having an outer gear meshed with the inner gear;

an electric motor portion for driving the inner rotor into rotation; and

a main shaft comprising a drive shaft of the electric motor portion and a rotary shaft of the inner rotor, the drive shaft and rotary shaft formed coaxially and integrally,

the main shaft supported only by a first bearing and a second bearing disposed on axially opposite sides thereof,

the rotor portion located between the bearings.

2. An electric internal gear pump integrated with motor comprising:

a rotor portion including an outer rotor having an inner gear, and an inner rotor having an outer gear meshed with the inner gear;

an electric motor portion for driving the inner rotor into rotation; and

a main shaft comprising a drive shaft of the electric motor portion and a rotary shaft of the inner rotor, the drive shaft and rotary shaft formed coaxially and integrally,

the main shaft supported by a first bearing and a second

bearing at places on axially opposite sides of the electric motor portion,

the first bearing supporting the main shaft at an axial end thereof opposite from the rotor portion,

the second bearing disposed on an outer periphery of the outer rotor for supporting the main shaft via the inner rotor.

3. An electric internal gear pump according to Claim 2, wherein the second bearing is a sliding bearing constructed in a manner that the outer periphery of the outer rotor is in sliding contact with a pump housing.